AMENDMENT UNDER 37 C.F.R. §1.116
U.S. APPLN NO.: 10/612,086

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1-9. (canceled).

10. (currently amended): An image data transmission system comprising:

an image server storing image data;

a terminal coupled to the image server;

an information obtaining module, configured to obtain at least one of content information

regarding image data to be transmitted and network transfer rate data; and

a data transfer module configured to transfer to the terminal said image data at a level of

resolution and density based on said at least one of content information regarding image data to

be transmitted and network transfer rate data,

wherein said content information regarding image data comprises the object depicted by

the image data, such that image data depicting certain pre-determined objects are transferred at a

higher resolution and density.

11. (previously presented): The system of claim 10, wherein said content information

regarding image data comprises the complexity of the image, such that image data at a higher

resolution and density are transferred in accordance with an increased complexity of the image.

12. (canceled).

13. (previously presented): The system according to claim 11, wherein image data are

stored at a high level of resolution and density and if the system determines based on at least one

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of said content information regarding image data to be transmitted and network transfer rate data that image data at a lower level of resolution and density are to be transferred, then image data are converted prior to transfer to the terminal to image data at lower level of resolution and density, wherein image data at a high level of resolution and density are reversibly compressed and image data at a low level of resolution and density are irreversibly compressed.

14. (currently amended): The system according to claim [[12]] 10, wherein image data are stored at a high level of resolution and density and if the system determines based on at least one of said content information regarding image data to be transmitted and network transfer rate data that image data at a lower level of resolution and density are to be transferred, then image data are converted prior to transfer to the terminal to image data at lower level of resolution and density, wherein image data at a high level of resolution and density are reversibly compressed and image data at a low level of resolution and density are irreversibly compressed.

15. (previously presented): The system according to claim 10, wherein the image data is stored at the image server as wavelet-transformed data.

16. (previously presented): The system according to claim 10 further comprising a plurality of medical image input modalities providing the image data.

17. (currently amended): The system according to claim 10 An image data transmission system comprising:

an image server storing image data;

a terminal coupled to the image server;

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an information obtaining module, configured to obtain at least one of content information

regarding image data to be transmitted and network transfer rate data; and

a data transfer module configured to transfer to the terminal said image data at a level of

resolution and density based on said at least one of content information regarding image data to

be transmitted and network transfer rate data, wherein the image data to be transmitted depicts at

least two portions and the information obtaining module obtains the content information from

one of the at least two portions.

18. (previously presented): The system according to claim 11, wherein the complexity is

calculated by using a fractal dimension analysis.

19. (previously presented): The system according to claim 10, wherein the information

obtaining module obtains the content information, wherein the content information is radiation

dosage information.

20. (currently amended): ~~The system according to claim 10~~ An image data transmission

system comprising:

an image server storing image data;

a terminal coupled to the image server;

an information obtaining module, configured to obtain at least one of content information

regarding image data to be transmitted and network transfer rate data; and

a data transfer module configured to transfer to the terminal said image data at a level of

resolution and density based on said at least one of content information regarding image data to

be transmitted and network transfer rate data, wherein said image data depicts predetermined

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objects and the information obtaining module obtains the content information from at least one

of the predetermined objects.

21-26 (canceled).